

ME GRAPHENE SUPERCAPACITOR 12P

*FULLY ENCLOSED BATTERY MODULE

Through extensive testing and research, Mint Energy develops high quality products designed to combat a wide range of energy concerns. The graphene solutions offered by Mint Energy provide consistent, reliable results, even when used repeatedly for years. The graphene battery can undergo thousands of charge/discharge cycles with absolutely no loss of power or efficiency. By using graphene, Mint Energy ensures durability, long lifespan, lower cost over-time, fewer maintenance requirements, and reduced risk of fire over lithium-ion.

- Fully Enclosed Battery Module
- Quick Charge Solution
- 100% Capacity Possible
- Environmentally Responsible
- Long Life Span – Outlives Most Equipment
- Solid State Battery – Absolutely No Liquid
- Cost-Effective
- Lower Fire Risk Than Lithium-Ion
- Does Not Produce Toxic Fumes While Charging



ME GRAPHENE BATTERY	VS.	LITHIUM-ION BATTERY
✓		
✓		✗
✓		✗
✓		✗
✓		✗
✓		✗
✓		✗
✓		✗
✓		✗
✓		✗



www.mintenergy.com

DISCLAIMER

All specification subject to change without notice. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in data sheets and/or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Mint Energy's terms and conditions of purchase, including, but not limited to the warranty expressed wherein.

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UNIT SPECIFICATIONS

Nominal Voltage	48 VDC
Series Cells	13
Parallel Cells	1
Total Cells	13
Minimum Voltage	35.10 VDC
Maximum Voltage	54.60 VDC
Mean Voltage	44.85 VDC
Peak Capacity	975 Wh/.98 KWh/18.75 Ah
Maximum Continuous Current	40 ADC
Maximum Surge Current	60 ADC
Maximum Charging Current	40 ADC
Cold Cranking Amps (CCA)	135.94 A
Cranking Amps (CA)	162.92 A
Reserve Capacity	45 minutes
Cycles	20,000
Pack Columns	1
Product Length	220mm
Product Width	97.5mm
Product Height	128mm
Product Volume	2745.6 cc
Pack Cell Weight	6.80 kg
Number of Cycles Per Day	1.25
Minimum Cycle Count	20,000
Maximum Cycle Count	43,000
Min Lifespan	43.84 years
Max Lifespan	94.25 years
Min Cost Per Day	\$0.08
Max Cost Per Day	\$0.04



FEATURES

Rapid Charge/Discharge Capabilities
Rugged Polycarbonate Case
Constant Current/Voltage Charging Pattern
BMS Included

*Does Not Include Load Balancer or IOT Smart Features



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